

Recovery Plan Action Status

Plan Name: Royal Snail

Plan Status: Final

Plan Date: 11-Aug-95

Lead Agency: USFWS

Lead Office: Tennessee Ecological Services Field Office

(528-6481)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Royal marstonia (snail) (Pyrgulopsis ocmorhaphe)	1	1	Utilize existing legislation and regulations to protect the species and its habitat	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Environmental Protection Agency, U.S. Army Corps of Engineers, USFWS Regional Office 4	Other: Regulations	Internal Technical Assistance	
Royal marstonia (snail) (Pyrgulopsis ocmorhaphe)	2	10	Develop artificial holding and propagation techniques and, if feasible, establish captive populations	Ongoing Current			U.S. Fish and Wildlife Service, Endangered Species Division, Contract , USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	Annual cost should remain relatively constant after techniques established
Royal marstonia (snail) (Pyrgulopsis ocmorhaphe)	2	11	Develop and implement cryogenic techniques	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Contract , USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	Annual cost should remain relatively constant after techniques established
Royal marstonia (snail) (Pyrgulopsis ocmorhaphe)	2	12	Develop and implement a monitoring program	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Tennessee Wildlife Resources Agency , USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	
Royal marstonia (snail) (Pyrgulopsis ocmorhaphe)	3	13	Annually assess the overall success of the recovery program and recommend action	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Tennessee Wildlife Resources Agency , USFWS Regional Office 4	Management: Planning	Internal Field Assistance	

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Royal marstonia (snail) (Pyrgulopsis oregonensis)	1	2	Work with appropriate Federal and State agencies to identify actions that could negatively affect the species and incorporate protective measures into such actions	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Environmental Protection Agency, U.S. Army Corps of Engineers, Tennessee Department of Environment and Conservation, Natural Resources Conservation Service, Tennessee Wildlife Resources Agency, USFWS Regional Office 4	Management: Planning	Internal Technical Assistance	
Royal marstonia (snail) (Pyrgulopsis oregonensis)	1	3	Encourage the establishment of outstanding resource water designations and other protective strategies as a means of protecting the species	Complete	FY 1995 - FY 1999	FY 2008	U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Environmental Protection Agency, The Nature Conservancy, U.S. Army Corps of Engineers, Tennessee Department of Environment and Conservation, Natural Resources Conservation Service, Tennessee Wildlife Resources Agency, USFWS Regional Office 4	Management: Land Use	Internal Technical Assistance	
Royal marstonia (snail) (Pyrgulopsis oregonensis)	1	4	Determine recharge areas for both springs	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Geological Survey, Contract, USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	

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Royal marstonia (snail) (Pyrgulopsis ogmorhaphe)	1	5	Based on the biological data and threat analysis, investigate the need for management and implement where needed	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Environmental Protection Agency, U.S. Army Corps of Engineers, Tennessee Department of Environment and Conservation, Natural Resources Conservation Service , Tennessee Wildlife Resources Agency , USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	Priority 1, 2, or 3 depending on the result of 2.1, 2.2, 1.4.1, and 2.3
Royal marstonia (snail) (Pyrgulopsis ogmorhaphe)	2	6	Meet with local government officials and business interests and solicit their support for recovery	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Environmental Protection Agency, The Nature Conservancy, U.S. Army Corps of Engineers, Tennessee Department of Environment and Conservation, Natural Resources Conservation Service , Tennessee Wildlife Resources Agency , USFWS Regional Office 4	Other: Information and Education	Internal Field Assistance	
Royal marstonia (snail) (Pyrgulopsis ogmorhaphe)	2	7	Develop information and education program and present	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, Tennessee Wildlife Resources Agency , USFWS Regional Office 4	Other: Information and Education	Internal Field Assistance	Task duration: 1 year to develop, then continuous

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Royal marstonia (snail) (Pyrgulopsis ogmorhaphe)	2	8	Work with landowners to establish agreements for areas occupied by the snail and any adjacent areas that would aid in its protection	Ongoing Not Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, Tennessee Wildlife Resources Agency , USFWS Regional Office 4	Management: Habitat Maintenance and Manipulation	Internal Field Assistance	
Royal marstonia (snail) (Pyrgulopsis ogmorhaphe)	2	9	Conduct research necessary for the species' protection and management; i.e., habitat requirements, biology, and threat analysis	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Tennessee Wildlife Resources Agency , USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	